AMENDMENTS TO THE CLAIMS

Please amend the claims as indicated in the following listing of all claims:

- 1. (Currently amended) An apparatus comprising:
- a first integrated circuit mounted in a first package, the first package having a first set of electrical contacts and a first connector; [[and]]
- a second integrated circuit mounted in a second package, the second package having a second set of electrical contacts and a second connector, the second connector being electrically and physically coupled to the first connector, the first and second connectors being mating connectors; and
- wherein high speed signals are routed over the first and second connectors and power, ground and slower speed signals are routed over the first set of electrical contacts.
- 2. (Original) The apparatus as recited in claim 1 wherein the first set of electrical contacts are disposed on a first surface of the package and the first connector is disposed on a second surface of the package.
- 3. (Original) The apparatus as recited in claim 2 wherein the second set of electrical contacts and the second connector are disposed on a same surface of the second package.
- 4. (Original) The apparatus as recited in claim 3 wherein the second set of electrical contacts are coupled to a printed circuit board through an intermediate connector.
- 5. (Original) The apparatus as recited in claim 4 wherein the intermediate connector is a socket.
- 6. (Original) The apparatus as recited in claim 1 wherein the first and second connectors are male/female connectors.
- 7. (Original) The apparatus as recited in claim 1 wherein the first and second mating connectors are electrically coupled via press fit connections.

- 8. (Original) The apparatus as recited in claim 1 wherein the first and second connectors are removably coupled.
 - 9. (Canceled)
- 10. (Original) The apparatus as recited in claim 1 wherein power, ground and slower speed signals are routed over the second set of electrical contacts.
- 11. (Original) The apparatus as recited in claim 1 wherein one of the first and second integrated circuits is a microprocessor.
- 12. (Original) The apparatus as recited in claim 1 wherein the first set of electrical contacts are formed by one of solder balls, lands, pins, and wires.
- 13. (Original) The apparatus as recited in claim 1 wherein the first and second connectors carry signals for a standard microprocessor interface between the first and second integrated circuits.
- 14. (Original) The apparatus as recited in claim 1 wherein the first and second connectors are slidably engaged.
 - 15. (Currently Amended) A method comprising:
 - electrically coupling a first integrated circuit mounted in a first package through a first set of electrical connectors to a printed circuit board; [[and]]
 - electrically connecting the first integrated circuit through a first package connector to a second integrated circuit mounted in a second package having a second package connector, wherein the first and second package connectors are mating connectors; and
 - sending high speed signals over the first package connector and sending lower speed signals over the first set of electrical connectors.

- 16. (Original) The method as recited in claim 15 wherein the second package is electrically coupled to the printed circuit board.
- 17. (Original) The method as recited in claim 15 wherein the first and second package connectors are slidably engaged.
- 18. (Original) The method as recited in claim 15 wherein the second package connector is electrically coupled to the first package connector via a solderless connection.
 - 19. (Canceled)
 - 20. (Currently amended) An integrated circuit assembly comprising:
 - first means for electrically coupling a packaged integrated circuit to a printed circuit board;
 - second means for directly electrically coupling the packaged integrated circuit to a second packaged integrated circuit without coupling through the printed circuit board; and
 - wherein high speed signals are routed over the second means and wherein power, ground and slower speed signals are routed over the first means.
- 21. (Currently amended) The integrated circuit assembly as recited in claim 20 An integrated circuit assembly comprising:
 - first means for electrically coupling a packaged integrated circuit to a printed circuit board;
 - second means for directly electrically coupling the packaged integrated circuit to a

 second packaged integrated circuit without coupling through the printed circuit
 board; and
 - wherein the first and second means are located on a first surface of the packaged integrated circuit.

- 22. (Currently Amended) The integrated circuit assembly as recited in claim 20 wherein the first and second means are located respectfully respectively on a first and second surface of the packaged integrated circuit.
- 23. (Original) The integrated circuit assembly as recited in claim 20 wherein the second means for directly electrically coupling couples standard interface signals between the first and second packaged integrated circuit.
- 24. (Currently amended) A package assembly including an integrated circuit package for an integrated circuit die, comprising:
 - a first set of electrical contacts for coupling to a printed circuit board; [[and]]
 - a connector disposed on a surface of the package for coupling to a mating connector on another integrated circuit package; and
 - wherein high speed signals are routed over the connector and wherein power, ground and slower speed signals are routed over the first set of electrical contacts.
- 25. (Currently amended) The package assembly as recited in claim 24 A package assembly including an integrated circuit package for an integrated circuit die, comprising:

 a first set of electrical contacts for coupling to a printed circuit board;
 - a connector disposed on a surface of the package for coupling to a mating connector on another integrated circuit package; and
 - wherein the first set of electrical contacts and the connector are mounted on a bottom surface of the integrated circuit package.
- 26. (Original) The package assembly as recited in claim 24 wherein the first set of electrical contacts and the connector are mounted on opposite surfaces of the integrated circuit package.
- 27. (Original) The package assembly as recited in claim 24 wherein the first set of electrical contacts couple to the printed circuit board through a socket.
 - 28. (Canceled)

- 29. (Canceled)
- 30. (New) An apparatus comprising:
- a first integrated circuit mounted in a first package, the first package having a first set of electrical contacts and a first connector;
- a second integrated circuit mounted in a second package, the second package having a second set of electrical contacts and a second connector, the second connector being electrically and physically coupled to the first connector, the first and second connectors being mating connectors, and
- wherein the first set of electrical contacts is for coupling to a printed circuit board; and wherein the first set of electrical contacts and the first connector arc mounted on a bottom surface of the integrated circuit package.